

AUTOMOTIVE ELECTRIC HEATER APPARATUS

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ABSTRACT OF THE DISCLOSURE

10 An electric heater apparatus for automobiles is disclosed. A sheathed heater (14a) constituting a heat generating member of a heater assembly (14) generates heat by power supplied from a main power supply for generating a DC high voltage through an inverter. A thermal fuse (15) has a temperature detecting element (15a) (low-melting alloy) adapted to fuse when a set  
15 temperature is reached. The temperature detecting element (15a) is connected to the power circuit of the sheathed heater (14a) through lead wires (15b, 15c). The thermal fuse (15) is arranged in such a position that the longitudinal direction of the temperature detecting  
20 element (15a) accommodated in the casing (17) is coincident with the longitudinal direction of the heater assembly 14, and mounted in surface-to-surface contact with the body (aluminum body (14c)) of the heater assembly (14). Also, the interior of the casing (17) is  
25 sealed with a material (such as cement or a silicon caulking material) higher in heat conductivity than air.